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Combining data compression and encryption

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Abstract

As data communication becomes more pervasive and complex and the use of digital data spread, data security becomes a wider, more complex and more important problem. Encryption can be applied after compression, but this requires additional processing or fixed library autosophy tree network data compression can combine encryption by using code key. Under appropriate conditions the compression ratio can be high, the encryption additional processing is required for encryption

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Abstract

As data communication becomes more pervasive and complex and the use of digital data evermore wide spread, data security becomes a wider, more complex and more important problem. Encryption can be an important tool to help improve data security. At first thought, data compression and data encryption are incompatible because encrypted data cannot be compressed by any known compression algorithms. Encryption can be applied after compression, but this requires additional processing or hardware. However, fixed library autosophy tree network data compression can combine encryption by using the library as the code key. Under appropriate conditions the compression ratio can be high, the encryption strong, and no additional processing is required for encryption

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